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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/669,944 09/24/2003		Guy Moshe Cohen	YOR920030400US1 (8728-646	4798	
46069	7590 08/09/2005		EXAMINER		
F. CHAU & ASSOCIATES, LLC 130 WOODBURY ROAD			PALMER, PHAN T H		
	Y, NY 11797		ART UNIT	PAPER NUMBER	
,			2874		
			DATE MAILED: 08/09/2003	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·		14	Application No		Applicant(s)			
Office Action Summary			10/669.944	'	COHEN ET AL.			
			Examiner		Art Unit			
	•			A450				
The M	IAILING DATE of this commu		PHAN T.H. PAL	-	2874			
Period for Reply		meation appea	irs on the cove		on espondence dualess			
THE MAILING - Extensions of tin after SIX (6) MC - If the period for - If NO period for - Failure to reply Any reply receive	ED STATUTORY PERIOD IS DATE OF THIS COMMUN me may be available under the provision NoTHS from the mailing date of this com reply specified above is less than thirty reply is specified above, the maximum swithin the set or extended period for replyed by the Office later than three months that the provided by the Office later than three months that the provided by the Office later than three months that the provided by the Office later than three months that the provided by the Office later than three months that the provided by the Office later than three months that the provided by the Office later than three months that the provision that the provisi	NICATION. ns of 37 CFR 1.136(and the information information). (30) days, a reply wistatutory period will ally will, by statute, ca	a). In no event, how ithin the statutory mapply and will expire use the application	vever, may a reply be tim inimum of thirty (30) days SIX (6) MONTHS from to become ABANDONED	ely filed will be considered timely. the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status								
1)⊠ Respor	nsive to communication(s) fi	led on <u>08 July</u>	<u> 2005</u> .					
2a)☐ This ac	This action is FINAL . 2b)⊠ This action is non-final.							
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of C	laims							
4a) Of t 5) ☐ Claim(s 6) ☑ Claim(s 7) ☑ Claim(s	 4) Claim(s) 1-36 is/are pending in the application. 4a) Of the above claim(s) 21-36 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-9,12,13 and 17 is/are rejected. 7) Claim(s) 10,11,14-16 and 18-20 is/are objected to. 							
Application Pap	ers							
10)⊠ The dra Applica Replace	ecification is objected to by the awing(s) filed on 24 September of the any objected that any objected the drawing sheet(s) including the or declaration is objected	ber 2003 is/are lection to the draing the correction	awing(s) be held n is required if t	d in abeyance. See he drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d)) .		
Priority under 3	5 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received. Than T. H. Palmer								
				ø	PHAN T. H. PALMER PRIMARY EXAMINER			
Attachment(s)				_	08/07/2005			
1) Notice of References Cited (PTO-892)			4) [Interview Summary Paper No(s)/Mail Da				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date			5) <u> </u>	Notice of Informal P	atent Application (PTO-152)			

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DETAILED ACTION

Answer To Argument With Traverse

1. Applicant's election with traverse of Group I (claims 1-20) in the reply filed on July 08, 2005, is acknowledged. The traversal is on the ground(s) that as set forth in MPEP & 803, if the search and examination of an entire application can be made without serious burden, the examiner must examine it on the merits, even though the application contains claims to independent and distinct inventions. This is not found persuasive because examine the claim 1 (Group I) does not require the limitations of claim 21 (Group II) or the limitations of claim 31 (Group III). Since three Groups are three invention different, therefore if searching and examination of entire application is made serious burden for the Examiner.

The requirement is still deemed proper and is therefore made FINAL.

2. Applicant's cooperation is requested in correcting any error of which applicant may become aware in the specification.

Drawings

3. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application. See attached Form PTO-948.

The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35
U.S.C. 102 that form the basis for the rejections under this section made in this
Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 6-9, 12, 13, and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Blonder (4,904,036).

The Blonder reference discloses in figure 1, an optical communications apparatus, comprising: a single crystal semiconductor base (10); at least two optoelectronic chips (OE) mounted on the surface; an integrated circuit chip (IC); wherein the OE chip, and the IC chip are mounted on the substrate and electrically connected.

With regard to claim 1, the Blonder et al reference discloses all the claimed invention of this claim.

With regard to claim 3, wherein the IC chip comprises a laser driver is disclosed in the Blonder reference (circuit 40 in figure 1).

With regard to claim 6, wherein the apparatus comprises an OE receiver package, an OE transmitter package, or an OE transmitter package, or an OE transceiver package is disclose in the Blonder reference (see in abstract).

With regard to claim 7, wherein the substrate comprises a silicon substrate, is disclosed in the Blonder reference (see in abstract).

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With regard to claim 8, further comprising an optical transmission line mounted or formed on the substrate is disclosed in the Blonder reference (see optical fiber 18 in figure 1).

With regard to claim 9, wherein the OE chip and optical transmission line (optical fiber 18, and waveguide 14) are disposed on the optical substrate such that a center axis of the optical transmission line is substantially perpendicular to a light-emitting or light receiving surface of the OE chip (laser diode 16) is disclosed in the Blonder et al. (see figure 1).

With regard to claim 12, wherein the optical transmission line comprises an optical fiber mounted on the optical bench, is disclosed in the Blonder reference (optical fiber 18, in figure 1).

With regard to claim 13, wherein the optical transmission line comprises a waveguide structure (14) formed on the surface of the substrate, is disclosed in the Blonder reference (see waveguide 14 in figure 1).

With regard to claim 17, wherein the electrical turning via is terminated with solder bumps, is disclosed in the Blonder reference (see solder bumps 46, in figure 4).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blonder (4,904,036).

With regard to claims 2, 4, and 5, wherein the OE chip comprises a vertical-cavity surface-emitting laser bar (VCSEL) or a photo detector array, or an amplifier are well known in the art, therefore obvious disclosed in the Blonder reference.

Allowable Subject Matter

6. Claims 10-11, 14-16, and 18-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The Blonder reference does not disclose the limitations of claims 10-11, 14-16, and 18-20. Since these limitations are critically, the optical communication apparatus is improved efficiency and increased data speed in fiber optic communication; it provides efficient and accurate alignment for directly coupling OE devices and fibers, as well as compact designs for purposes of high-speed operation and space efficiency.

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CONTACT INFORMATION

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHAN T.H. PALMER whose telephone number is (571) 272-2354. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RODNEY B. BOVERNICK can be reached on (571) 272-2344. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PTHP 08/06/2005

PHAN T. H. PALMER PRIMARY EXAMINER